

Title (en)
Hall effect sensor system

Title (de)
Hallsensorsystem

Title (fr)
Système de capteur à effet Hall

Publication
EP 0907068 A1 19990407 (EN)

Application
EP 98307998 A 19981001

Priority
GB 9720911 A 19971003

Abstract (en)
A sensor system for measuring linear displacement of a first member (10) relative to a second member (12), consist of an analogue Hall Effect sensor secured to the first member (10) in an orientation to sense magnetic flux in a sensing direction perpendicular to said direction of relative movement, and a permanent magnet (22) secured to the second member (12) and having a front surface facing the Hall Effect sensor and extending along the direction of relative movement between the first and second members (10, 12). The permanent magnet (22) is magnetised so that the front surface (24) has a first magnetic pole of a first magnetic polarity at a first end (28) and a second magnetic pole of a second magnetic polarity at a second end (30) spaced from the first end in the direction of travel. <IMAGE>

IPC 1-7
G01D 5/14

IPC 8 full level
G01B 7/00 (2006.01); **G01D 5/14** (2006.01); **G01D 5/245** (2006.01)

CPC (source: EP US)
G01D 5/145 (2013.01 - EP US); **G01D 2205/77** (2021.05 - EP)

Citation (search report)

- [XY] US 5493216 A 19960220 - ASA YUKIHIRO [JP]
- [DY] GB 1109220 A 19680410 - CLARK EQUIPMENT CO
- [A] US 5159268 A 19921027 - WU W T [US]
- [A] FR 1339956 A 19631011 - GEN PRÉCISION INC

Cited by
EP1548408A3; AU758009B2; EP1219935A3; EP1278044A4; AU758221B2; EP1008835A1; DE10023654A1; CN107093508A; US9359794B2; US6586928B1; US9574372B2; WO2005078395A1; WO0063651A1; WO0238930A3; WO2005088267A1; WO02088696A1; WO03029758A1; US7208943B2; US11421445B2; US6304078B1; US10388094B2; US10451441B2; US9695616B2; US9725927B1; US11041917B2; US9447609B2; US11072945B2; WO0221080A1; WO2016178165A1; WO2004063672A1; WO0063640A1; EP1711779A1; EP1076225A3; CN112367448A; EP3822588A1; EP4109174A1; US7230419B2; US11043055B2; US11441332B2; US11959308B2; US9528294B2; US9916746B2; US10445999B2; US10495484B2; US10970983B2; US10977919B2; US7242183B2; US7034523B2; US6580265B1; US6211668B1; US9326094B2; US10443266B2; US11352812B2; US6989670B2; US9382739B1; US9922481B2; US11802422B2; US9530295B2; US9530262B2; US9704314B2; US9728023B2; US9818247B2; US10198884B2; US10846957B2; US10993111B2; US11436879B2; US11527121B2; US9706365B2; US10691953B2; US11268829B2; US11359937B2; US9322201B1; US9322194B2; US9470017B1; US9470018B1; US9528296B1; US9534420B1; US9644398B1; US9644400B1; US9624695B1; US9683392B1; US10304273B2

Designated contracting state (EPC)
DE ES FR GB IT NL SE

DOCDB simple family (publication)
EP 0907068 A1 19990407; **EP 0907068 B1 20040526**; DE 69824103 D1 20040701; DE 69824103 T2 20050630; GB 9720911 D0 19971203; JP H11160010 A 19990618; US 6215299 B1 20010410

DOCDB simple family (application)
EP 98307998 A 19981001; DE 69824103 T 19981001; GB 9720911 A 19971003; JP 28075498 A 19981002; US 16636198 A 19981005